

Attachment 1: Modify Level 4 Text

LEVEL_4 id	object_key	CCR	rel	req_type	req_status	verification_s tatus	verification_ method	text	clarific.
F-CMD-01125	10246		B	interface	approved	<u>unverified</u>	demo	The EOC shall be capable of transmitting commands to the EOS spacecraft via EDOS using the <u>S-band Contingency Ground Stations</u> GN (Ground Network) in contingency or emergency operations.	
F-CMD-05310	1554		B	interface	<u>approved</u>	<u>unverified</u>	demo	The EOC shall provide the IP-ICC with a final instrument uplink status, with a failure status to indicate the point of failure.	The following are examples of possible status: _ - rejected by EOC _ - transmitted, not received by spacecraft _ - received by spacecraft; unsuccessfully executed

LEVEL_4 id	object_key	CCR	rel	req_type	req_status	verification_s tatus	verification_ method	text	clarific.
									<p>_ (or)</p> <p>_ - dispatched to instrument; unsuccessfully executed</p> <p>_ - successfully executed. Status is provided via event messages visible at the IST user interface.</p>
F-CMD-05410	1555		B	interface	<u>approved</u>	<u>unverified</u>	demo	The EOC shall provide an IP-ICC with instrument command notification messages, when emergency or contingency instrument commands are issued by other than the IP-ICC.	For example, by the EOC. <u>Notification is provided via event messages visible at the IST user interface.</u>
F-CMD-	10267		B	interface	approved	<u>unverified</u>	demo	The EOC	

LEVEL_4 id	object_key	CCR	rel	req_type	req_status	verification_s tatus	verification_ method	text	clarific.
11215								shall uplink at a rate of 2 kbps when the EOC is configured for transmission utilizing the GN-service and the AM-1 Omni antenna S-band Contingency Ground Stations.	
F-TLM-00625	1393		A	functional	<u>approved</u>	<u>unverified</u>	test	The FOS shall mark a parameter static if the given parameter has not been updated for more than a spacecraft major frame.	For example, the AM-1 major frame (master cycle) is repeated approximately every 64 seconds. The FOS will discontinue further parameter processing (e.g., limit checking) when the parameter has been marked static

LEVEL_4 id	object_key	CCR	rel	req_type	req_status	verification_s tatus	verification_ method	text	clarific.
									(reference Section 7.2.3.4 for derived parameter processing).
F-TLM- 01425	10530		B	functional	approved	<u>unverified</u>	demo	The FOS shall make available, on a per- parameter basis, the following: a. last decommutate d raw value b. associated converted value (if applicable) c. limit range values (if applicable) d. limit sense interval e. no data available indicator f. static/active indicator g. quality status indicator h. out-of- limits low indicators (if	Reference section 7.2.3.8 for discussion of conversion errors.

LEVEL_4 id	object_key	CCR	rel	req_type	req_status	verification_s tatus	verification_ method	text	clarific.
								applicable) i. out-of- limits high indicators (if applicable) j. delta limit error indicator k. conversion error indicator	
F-TLM- 02210	4796		B	interface	<u>approved</u>	<u>unverified</u>	test	The EOC shall be capable of receiving and processing EDOS TDRSS Service Session (TSS) <u>Spacecraft Contact Session (SCS)</u> summary reports following the completion of the <u>TSSspacecraf t contact session.</u>	
F-TLM- 02215	4797		B	interface	<u>approved</u>	<u>unverified</u>	test	The EOC shall be	

LEVEL_4 id	object_key	CCR	rel	req_type	req_status	verification_s tatus	verification_ method	text	clarific.
								capable of receiving and processing EDOS real-time Customer Operations Data Accounting (CODA) service reports periodically during a <u>TSSspacecraft contact session.</u>	
F-TLM-11520	10550		B	performance	approved	<u>unverified</u>	test	The EOC shall be capable of receiving and storing AM-1 spacecraft recorder playback housekeeping telemetry from EDOS as a rate buffered file.	The 512 Kbps rate will be used during emergency operations through the <u>S-band Contingency Ground Stations</u> DSN, GN, or WOTS. The nominal AM-1 playback rate will be 256 Kbps. The spacecraft

LEVEL_4 id	object_key	CCR	rel	req_type	req_status	verification_s tatus	verification_ method	text	clarific.
									recorder data will be captured at EDOS and may be transmitted to the EOC post-contact at rates up to 1.544 Mbps.

Attachment 2: Delete Level 4

LEVEL_4 id	object_key	CCR	rel	req_type	req_status	verification_s tatus	verification_ method	text	clarific.
F-CMD- 01130	10247		B	interface	approved	<u>unverified</u>	demo	The EOC shall be capable of transmitting commands to the EOS spacecraft via EDOS using the DSN (Deep Space Network) in contingency or emergency operations.	
F-CMD- 01135	10248		B	interface	approved	<u>unverified</u>	demo	The EOC shall be capable of transmitting commands to	

LEVEL_4 id	object_key	CCR	rel	req_type	req_status	verification_s tatus	verification_ method	text	clarific.
								the EOS spacecraft via EDOS using the WOTS (Wallops Orbital Tracking System) in contingency or emergency operations.	
F-CMD-11220	10268		B	interface	approved	<u>unverified</u>	demo	The EOC shall uplink at a rate of 2 kbps when the EOC is configured for transmission utilizing the DSN service and the AM1 Omni antenna.	
F-CMD-11225	10269		B	interface	approved	<u>unverified</u>	demo	The EOC shall uplink at a rate of 2 kbps when the EOC is configured for transmission utilizing the WOTS service and	

LEVEL_4 id	object_key	CCR	rel	req_type	req_status	verification_s tatus	verification_ method	text	clarific.	
								the AM1 Omni antenna.		
F-TLM- 02220	4798		B	interface	<u>approved</u>	<u>unverified</u>	test	The EOC shall be capable of receiving and processing EDOS rate buffered delivery records.		